

Table 2. Value of Manufacturers' New Orders for Industry Groups¹

[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly				Year to date		
	Aug. 2020 ^p	July 2020 ^r	June 2020	July - Aug.	June - July	May - June	Aug. 2020 ^p	July 2020 ^f	June 2020	Aug. 2019	2020 ^p	2019	% Change 2020/2019
All manufacturing industries ²	470,135	466,927	438,247	0.7	6.5	6.4	474,232	452,865	463,716	508,829	3,592,427	3,955,838	-9.2
Excluding transportation ²	395,335	392,448	383,203	0.7	2.4	4.8	400,629	389,763	402,201	421,212	3,106,806	3,288,260	-5.5
Excluding defense ²	455,056	451,279	426,502	0.8	5.8	7.3	461,958	441,840	448,788	494,933	3,481,702	3,850,211	-9.6
With unfilled orders ²	157,327	154,253	140,648	2.0	9.7	-4.0	154,691	144,815	153,363	172,235	1,211,517	1,365,765	-11.3
Durable goods industries ²	233,187	231,914	207,474	0.5	11.8	7.7	232,626	216,865	225,274	247,935	1,716,370	1,935,536	-11.3
Primary metals.....	18,482	18,189	17,897	1.6	1.6	4.6	18,514	17,519	18,636	19,892	147,700	164,246	-10.1
Iron and steel mills.....	9,258	9,195	8,979	0.7	2.4	0.8	9,297	8,984	9,332	10,255	75,156	86,985	-13.6
Aluminum and nonferrous metals.....	7,986	7,632	7,611	4.6	0.3	8.6	7,958	7,160	7,912	8,099	62,142	65,017	-4.4
Ferrous metal foundries.....	1,238	1,362	1,307	-9.1	4.2	10.1	1,259	1,375	1,392	1,538	10,402	12,244	-15.0
Fabricated metal products.....	30,114	30,491	29,364	-1.2	3.8	5.7	31,190	30,321	31,366	33,406	241,986	258,131	-6.3
Machinery.....	31,227	30,761	29,916	1.5	2.8	3.8	30,381	29,842	32,088	31,320	245,611	258,138	-4.9
Construction machinery.....	2,679	2,644	2,596	1.3	1.8	11.8	2,517	2,600	2,480	2,649	20,434	22,385	-8.7
Mining, oil field, and gas field machinery.....	1,090	1,049	1,030	3.9	1.8	0.5	1,064	980	1,065	1,446	9,316	11,179	-16.7
Industrial machinery.....	3,196	3,068	3,018	4.2	1.7	-5.4	3,185	2,799	3,300	3,015	24,745	22,932	7.9
Photographic equipment.....	559	540	505	3.5	6.9	-10.3	509	565	572	488	4,139	3,839	7.8
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,157	4,192	3,836	-0.8	9.3	11.4	4,176	4,514	4,810	4,063	31,296	32,419	-3.5
Metalworking machinery.....	2,478	2,487	2,595	-0.4	-4.2	9.5	2,410	2,388	2,687	2,379	19,827	20,789	-4.6
Turbines, generators, and other power transmission equipment.....	3,677	3,740	3,647	-1.7	2.6	1.5	3,725	3,612	3,780	4,204	30,105	32,781	-8.2
Material handling equipment.....	2,704	2,565	2,571	5.4	-0.2	3.9	2,595	2,410	2,917	2,803	21,277	23,054	-7.7
Computers and electronic products ²	24,884	24,577	23,879	1.2	2.9	-0.1	23,936	22,465	26,538	22,574	186,957	183,503	1.9
Computers.....	536	545	531	-1.7	2.6	-1.5	605	509	645	614	4,240	4,835	-12.3
Nondefense communications equipment.....	3,981	3,829	3,472	4.0	10.3	-1.1	3,494	3,391	4,240	2,948	27,370	25,465	7.5
Defense communications equipment.....	263	257	233	2.3	10.3	-1.7	258	247	223	229	1,805	1,766	2.2
Electronic components.....	4,209	4,198	4,109	0.3	2.2	-0.5	4,426	4,255	4,294	4,269	33,416	31,096	7.5
Nondefense search and navigation equipment.....	1,662	1,662	1,656	0.0	0.4	2.0	1,608	1,457	1,837	1,537	12,772	13,178	-3.1
Defense search and navigation equipment.....	2,935	3,005	3,126	-2.3	-3.9	2.1	2,630	2,439	3,488	2,706	23,130	23,809	-2.9
Electromedical, measuring, and control instruments.....	9,110	8,930	8,810	2.0	1.4	0.4	8,808	8,245	9,578	8,583	69,062	70,568	-2.1
Electrical equipment, appliances, and components.....	10,757	10,840	10,313	-0.8	5.1	2.0	10,924	10,514	11,030	11,459	85,431	87,831	-2.7
Electric lighting equipment.....	943	983	965	-4.1	1.9	8.1	971	961	1,018	1,102	7,612	8,241	-7.6
Household appliances.....	2,156	2,225	2,034	-3.1	9.4	7.1	2,120	2,068	2,133	2,053	15,192	14,835	2.4
Electrical equipment.....	2,922	2,901	2,899	0.7	0.1	-1.2	2,925	2,830	3,326	3,470	25,318	27,555	-8.1
Transportation equipment.....	74,800	74,479	55,044	0.4	35.3	19.5	73,603	63,102	61,515	87,617	485,621	667,578	-27.3
Motor vehicle bodies, parts, and trailers.....	28,701	29,043	26,703	-1.2	8.8	26.7	29,663	26,270	27,919	30,200	209,864	227,014	-7.6
Nondefense aircraft and parts ³	-2,784	-5,970	-10,507	(NA)	(NA)	-467.6	-3,795	-4,074	-9,905	7,295	-27,309	72,288	-137.8
Defense aircraft and parts.....	4,325	4,616	2,634	-6.3	75.2	-29.2	2,994	3,764	3,689	3,801	29,568	34,444	-14.2
Ships and boats.....	3,188	3,724	2,097	-14.4	77.6	-17.7	2,283	1,522	3,821	3,941	25,125	24,381	3.1
Furniture and related products.....	6,617	6,692	6,532	-1.1	2.4	7.9	6,734	6,545	6,594	6,733	52,314	53,356	-2.0
Nondurable goods industries.....	236,948	235,013	230,773	0.8	1.8	5.3	241,606	236,000	238,442	260,894	1,876,057	2,020,302	-7.1

^p Preliminary

^r Revised data due to late receipts and concurrent seasonal adjustment.

¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.

² Data on new orders are not available for the semiconductor industry. Estimates and percent changes for new orders exclude semiconductor industry data.

³ (NA) - New Orders month-to-month percent change is not provided for Nondefense aircraft and parts because the denominator has a negative value.

Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting.

Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. For further details on survey design, methodology, and data limitations see <<http://www.census.gov/manufacturing/m3/>>.

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, August Full Report, October 2, 2020. Information on data sources and methodology can be found on our website at <www.census.gov/manufacturing/m3/how_the_data_are_collected/index.html>.